## ISSUE SI IP STADI E AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE     |
|---------------------------|----------|--------|----------|
| FEE DETERMINATION         | Daviel   | ,      | 09.28-1  |
| O.I.P.E. CLASSIFIER       | MW       | 10     | 10-12-01 |
| FORMALITY REVIEW          | min      | 312    | 10-30-01 |
| RESPONSE FORMALITY REVIEW | A-       | 076    | 03/05/02 |
|                           | ,        |        | · ·      |

## **INDEX OF CLAIMS**

| • | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | 1 | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 | 0 | Objected     |

|           | ain        |          |          |          | Date                                   |           |          |              |          |          |  | $\neg$   | Claim Date |          |               |            |          |          |  |          |                   |          | ٦  | ſ            | Cla      | im Date     |          |          |              |  |  |     |          |             |                  |            |    |
|-----------|------------|----------|----------|----------|--|-----------|----------|--------------|----------|----------|--|----------|------------|----------|---------------|------------|----------|----------|--|----------|-------------------|----------|--|--------------|----------|-------------|----------|----------|--------------|--|--|-----|----------|-------------|------------------|------------|----|
| ۳         | 1          | -        | 7        | . 2      |  |           |          |              |          |          |  |          | _          | T        |               | П          |          | Ī        | ٦                                      |          | Т                 | 7        | ᅥ  |              | Ť        | $\neg \tau$ | Т        | Т        | Т            | T  | T  | Т   | T        | . 1         | Ù                |            |    |
| _ ا       | - desiring | <u> </u> | 20/12/0  | d/2/62   |  |           | ŀ        | - 1          | ı        | 1        |  | -        |            | ā        | Original      |            |          |          |  |          | - 1               |          |  | l            |          | j           | -a       | Original | - [          |  | - 1  | - 1 | -        |             | d                |            | ١. |
| Final     | نا         | <u> </u> | 0        | 10       |  |           | -        |              |          |          |  | ļ        |            | Final    | ě             |            | 1        | ĺ        |  |          | -                 |          |  | 1            | Į        |             | Final    | ō        | -            |  |  | -   | ĺ        |             |                  | "          | 3  |
| H         | 4          |          | ٠        | 0        |  |           | _        |              |          |          |  |          |            |          | 51            |            |          |          |  |          |                   |          | Ī  |              |          |             |          | 101      | $\top$       | 7  | $\neg$   |     |          | 寸           | 7                |            |    |
| -         | 10         | 2        | ÷        | =        | Н                                      |           | $\dashv$ |              |          | _        | $\Box$                                 |          |            |          | 52            |            |          | 一        |  |          |                   |          |  |              | $\neg$   | .           |          | 102      | $\top$       | 寸  | $\neg$   | _   | $\neg$   | $\neg$      | -:               | 17         | Ī  |
| -         | -          | 3        | +        | #        | М                                      |           | _        |              |          |          |  |          |            |          | 53            |            | $\neg$   |          |  |          | $\neg$            |          | $\neg$   |              | $\neg$   |             |          | 103      |              |  |  |     | 7        | $\neg$      |                  |            | 1  |
| $\vdash$  | -1         | 4        | +        | <u>-</u> | -                                      | $\dashv$  | -:       |              |          |          | -                                      |          |            | ,        | 54            |            |          |          |  |          | _                 | 7        |  |              | $\neg$   |             |          | 104      | 1            |  | 7  | 7   |          | 7           | 一                | ed)        | k  |
| Н         | _          | 5        | T        | N        | М                                      |           |          |              |          |          |  |          | 1          |          | 55            |            |          |          |  |          |                   |          |  |              |          |             |          | 105      |              |  | $\neg$   | •   |          | T           | - 2              | X          | ľ  |
| $\vdash$  |            | 6        | t        | N        |  |           |          |              |          |          |  |          |            |          | 56            |            |          | $\neg$   | $\neg$                                 |          |                   |          |  |              |          |             |          | 106      |              |  |  |     |          | I           | $\Box$           | N          | Γ  |
|           | T          | 7        | 1        | N        |  |           |          |              |          | -        |  |          |            |          | 57            |            |          |          |  |          |                   |          |  |              |          | •           |          | 107      | _ [          |  |  |     |          |             | ٠,               |            | λ  |
| $\vdash$  | †          | 8        | T        | #        |  |           |          |              |          |          |  |          |            | į.       | 58            |            |          |          |  |          |                   |          |  |              | _        |             |          | 108      |              |  |  |     |          |             |                  | νÝ,        | L  |
|           | T          | 9        | 7        | M        | Г                                      |           |          |              |          |          |  |          |            |          | 59            |            |          |          |  |          |                   |          |  | •            |          |             |          | 109      | $\perp$      | $\Box$   | $\perp$  |     |          | _           |                  |            | Ľ  |
| Г         | 1          | 10       | T        | N        |  |           |          |              |          |          |  |          |            |          | 60            |            |          |          |  | 1        |                   |          |  |              | _        |             | L.       | 110      |              |  |  |     | _        |             |                  | ų.         | L  |
| Г         | 1          | 11       | T        | N        |  |           |          |              | Г        |          |  |          | ٠.         |          | -:1           |            |          |          |  |          |                   |          |  |              |          |             |          | 111      | _            | _  | _  |     | _        |             |                  |            | L  |
|           | 1          | 2        | 1        | N        |  |           |          |              | *        |          |  |          |            |          | 62            |            |          |          |  |          |                   |          |  | ٠.           | •        |             | Ŀ        | 112      | _            |  |  | _   | _        |             |                  | **         | L  |
|           | 1          | 13       | T        | ノ        |  |           |          |              | ·        |          |  |          |            | L.       | 63            |            |          |          |  |          |                   |          |  |              |          |             | L.       | 113      | _            | _  |  |     | _        | _           | _                | 7          | 1  |
|           | 1          | 14       |          | N        |  |           |          |              |          |          | ·                                      |          |            |          | 64            | _          |          |          |  |          |                   |          |  |              |          |             | <u> </u> | 114      | _            | _  | ان   | _   | _        |             |                  | 1          | K  |
| Γ         | Ji         | 15       | I        |          |  | Ŀ         | •        |              |          | Ŀ        |  |          |            | Ŀ        | 65            |            |          |          |  |          |                   |          | Ш  |              |          | *           | <u> </u> | 115      | 4            | _  | إجا  | **  |          |             | Ш                |            | Ļ  |
|           | ]1         | 6        | F        | $\prod$  | E                                      | , ,       |          | •            |          | ٠.       |  | Ĺ        |            | _        | 66            |            | Ш        | 4        |  | ·        |                   | -        |  |              | - :      |             | 111      | 116      | 4            | :  |  | -   | -2       | 1           |                  |            | K  |
|           | 1          | 17       |          | П        | 13                                     |           |          |              | , .      |          | ٠.                                     |          | 11         |          | 67            |            |          |          | 7                                      | _        |                   |          |  |              |          | 1,          | <u>.</u> | 117      | -            | _  | L  |     | 1        |             | ш                |            | 2  |
|           | T          | 18       | 1        | П        |  |           | •        |              |          |          |  | _        |            |          | 68            | ·          |          |          |  |          |                   |          |  |              |          | į,          | 4        | 118      | -            | 1  | Ш  | بب  |          |             |                  | .49        | ĺ  |
| K         | 1          | 19       | П        |          |  |           |          |              |          |          |  |          |            | Ľ        | 69            | ·          |          | :        |  |          |                   |          |  |              |          | ٠,          |          | 119      | -1           |  | 7  |     |          |             |                  | A STATE OF |    |
| Г         | 12         | 20       | Z        | N        | Г                                      |           |          |              |          |          |  | 3        | 13         |          | 70            |            |          | -        |  | •        | -, (*             | 4-1      |  | *            | e.       | 45          |          | 120      | ` .          | <u>```}</u>                                      | 1  |     | :        |             | 73               | 1          | ı  |
|           | 12         | 21       | -        | •        |  |           |          | Γ            | -        |          | 1                                      |          | 4,50       |          | 71            | Г          |          |          |  |          |                   |          |  |              | ٠,       | - 2         |          | 121      |              |  |  |     |          |             |                  | 1          | I  |
|           | -          | 22       |          | ļ        |  |           |          |              |          | Г        | 1.                                     |          |            |          | 72            |            |          |          |  |          | $\mathbf{j}_{ij}$ |          |  |              |          | 1           |          | 122      |              | ं  | 11   |     |          |             | - 1              | 1          |    |
|           | 1          | 23       |          | 17       |  |           |          |              |          |          |  | 147      |            |          | 73            |            |          |          | 1                                      |          |                   |          |  | .,           |          |             |          | 123      |              | •••  | <u> </u>   |     |          | ш           | نيا              | 4          |    |
| <u>را</u> | 1          | 24       |          | 4        | 5 1                                    | <u></u> • |          |              |          |          | 57                                     |          |            | ,        | 74            | ·          |          |          |  |          | 7.53              |          |  |              |          | 9           |          | 124      |              | 3  |  |     | 4        | -           | 2                | 17         | 4  |
|           | . 2        | 25       | <b>(</b> |          | 1,                                     |           | 1        |              | 1        |          | . 5                                    | 5.       |            |          | 75            |            |          |          | L                                      | Ŀ        | 14                |          |  | ٤            | _        | 16          |          | 125      | 0            | 14   |  |     |          | 4.1         | 1                | ×          |    |
|           | 7          | 26       |          |          |  |           |          |              |          | ,        |  |          |            | Ŀ        | 76            |            | _        | Ŀ        |  |          |                   |          |  |              | ~        |             | _        | 126      |              | ***  | -  | -   |          |             | -                |            |    |
|           | 1          | 27       |          |          |  |           |          | l .          | Ĺ        |          |  | ,        |            |          | 77            | L          | <u> </u> | <u> </u> |  | <u> </u> |                   |          | ;,   | L            | L        |             | -        | 127      |              |  | 7  | ı.  | -        |             | ┝                |            |    |
|           |            | 28       |          | Ŀ        |  | ,         | 1        | l.           | L        | <u> </u> | Ŀ                                      | Ŀ        | ٠.         |          | 78            | Ļ.         | L        | <u> </u> |  | L-       | ·                 | -        |  | -            | ļ.,      |             | L        | 128      | -            | ٠,   | <u> </u>   |     | $\vdash$ |             |                  |            | Ì  |
| Ľ         | . 2        | 29       |          |          |  | ·         | į        | 7.1          | ·        | 1        |  | Ŀ        |            | L        | 79            | <u> </u>   | <u> </u> | Ŀ        |  | Ļ        |                   |          | <u> </u>   | -            | ļ.,      |             | 1        | 129      |              | -  | -  | H   | -        | _           | -                |            | d  |
| Ŀ         | _          | 30       |          | Ŀ        | 乚                                      | <u> </u>  | Ŀ        |              |          | Ŀ        | L                                      | L        | ľ          | L        | 80            | ļ          | _        |          |  | <u> </u> | <i>:</i>          | _        | l:   | ŀ.           | -        |             | -        | 130      |              | <del>                                     </del> | -  | -   | $\vdash$ | -           |                  |            |    |
| L         |            | 31       |          | 1.       | Ŀ                                      | <u> </u>  | _        | ┖            | _        |          | <u> </u>                               |          |            | <u>_</u> | 81            | Ļ_         | <u> </u> | L.       |  | _        |                   |          | L  | ,            | ŀ        | . ⋅         | F        | 131      |              | 777  | F  |     | ŀ        |             | $\vdash$         |            | 1  |
| L         | -          | 32       |          | L        | Ľ                                      | Ŀ         | Ŀ        | L            | <u> </u> | L        | <u> </u>                               | L        | 1          | L        | 82            | <b> </b> _ | <u> </u> |          | L                                      | ·        | <u> </u>          | <u> </u> |  | Ľ            | -        | -           |          | -        | -            | -  | -  |     | -        | ┿           |                  | 9          |    |
| 1         | _          | 33       | L        | 1        | 1                                      | L.        | •        | L            | Ļ        | <u> </u> | ļ                                      | <u> </u> |            | Ŀ        | 83            | ļ          | <u> </u> | <u> </u> | <u> </u>                               | _        | _                 | H-       | ├-   | -            | -        | ١,          | <u> </u> | 133      | Н            |  | -  | 7   | -        | 1           | +                |            | å  |
| Ĺ         |            | 34       | Ŀ        | 1        | <u> </u>                               | _         | <u>:</u> | Ŀ            | 1        | Ŀ        | 1                                      | L        | <b>.</b> . | -        | 84            | -          | 1        | -        | <u> </u>                               | ŀ        | <del>  -</del>    | 1        | -  | 1            | -        | ۱.          | H        | 135      |              |  | -  | -   | H        | H           | +                | -          | 7  |
| L         |            | 35       | Ľ        | 1        | _                                      | Ł.        | ļ.,      | -            | <u> </u> | Ļ        | Ļ                                      | ├-       |            | H        | 85            | -          | ├        | <u> </u> |  | $\vdash$ | ├                 | -        | H  | -            | +        | 1           | $\vdash$ | 136      |              | -  | †÷   | -   | t        | 1           |                  | -          | Č  |
| L         | -          | 36       | Ľ        | L        |  | 1         | 1        | ↓_           | ـــ      | 1        | ŀ,                                     | L        | ļ ^        | H        | 86            | -          | -        | -        | -                                      | $\vdash$ | <del>  `</del>    | -        | +  | ⊢            | Ė        | 1 .         | -        | 137      | ۲            | $\vdash$   | +  | 1   | 1        | +           | † †              |            | 1  |
| L         |            | 37       | Ŀ        | 1        | 1                                      | L         | <u> </u> | 111          | <u> </u> | Ŀ        | 1                                      | Ľ        |            | -        | 87<br>88      | ╄-         | -        |          | ₩                                      | -        | $\vdash$          | H        | <del>                                     </del> | $\vdash$     | H        | 1           | $\vdash$ | 138      | -            | -  | +  | 1   | 十        | †**         | 1                | †          | ۳  |
| Ŀ         | -          | 38       | <u> </u> | ╀-       | 1                                      |           |          | 1            | ╂        | -        | <del> </del> -                         | ŀ        | 1          | -        | $\rightarrow$ | +          | ┼-       | ├-       | ├                                      | $\vdash$ | +-                | ⊢        | $\vdash$   | <del> </del> | -        | 1           | 1        | 139      | <del> </del> | -  | $\vdash$   | T   | 1        | 1           | 1                | +          | 1  |
| , L       | -+         | 39       | L        | 1        | 1                                      | 1         |          | <del> </del> | -        | H        | +                                      | 1        | ļ.,        | $\vdash$ | 89            | -          | ┼        | $\vdash$ | -                                      | $\vdash$ | ╁╌                | -        | $\vdash$   | +            | $\vdash$ | 1           | -        | 140      | -            | -  | <del>                                     </del> |     | 1        | T           |                  | 1          | Ť  |
| L         |            | 40       | Ŀ        | 1        | <u> </u>                               | L         | <u> </u> | Ľ            | ┞-       | 1        | 4                                      |          |            | H        | 90            | 1          | +        | -        | ├-                                     | ╀        | +-                | -        | ├-   | 1,-          | -        |             | H        | 141      | -            | -  | +-   | +-  | +        | 1.          | 1                | 1          | ç  |
| L         |            | 41       | L        | Ŀ        |  | L         | L        | 1            | L        | _        | Į.                                     |          |            | -        | 91            | 1          | ↓_       | L        | 1-                                     | ╄-       | 1                 | -        | -  | ╀            | ├-       | 1           | -        | 142      |              | -  | ┿  | -   | +        | 1           | +                | +          | 7  |
| 1         |            | 42       |          |          | ÷                                      |           | 133      | 1            | ـ        |          | Ľ                                      | 1        | 1 .        | L        | 92            | -          | $\vdash$ |          | $\vdash$                               | +        | ├                 | ├-       | H  | ╁            | -        | 1           | H        | 143      |              | H  | +  | 1-  | +        | <del></del> | +-               | †          | 1  |
| L         |            | 43       |          | Ļ        |  | 1         | 1        | 1            | _        | 1        | $\perp$                                | 1        | 4          | H        | 93            |            | ┼        | ـ        | 1                                      | +        | +                 | -        | ╁  | +-           | ├        | 1.          |          |          |              | -  | +-   | t   | 忙        | +           | 1                | Ť          |    |
|           | Ŋ,         | 44       | -        | <u>.</u> |  |           | _        | L            | 1        | $\perp$  | 1                                      | 1.       | 1 .        | L        | 94            |            | ╄        | +        | ـ                                      | 1        | -                 | -        | -  | -            | ╁        | -           | H        | 145      |              | -  | +  | +   | 1        | +           | +                | 10         | Ť, |
|           | 4          | 45       |          | 1        |  |           | ئسنا     | 4            | 1        | 1        | 1                                      | 1        | 4.         | +        | 95            |            | 1-       | -        | $\vdash$                               | ╁╾       | +                 | -        | +  | +            | -        | ١, ١        | -        | 146      |              | -  | 1  |     |          | 1           | +                | T          |    |
|           |            | 46       | 1        |          | -                                      | L         | _        | 4.           | 4        | 1        | 1                                      | ۱.,      | :          | -        | 96            | -          | +-       | ╀        | -                                      | -        | +                 | -        | $\vdash$   | +            | +        | 1.          | H        | 147      |              | -  | 1.6  |     |          | 1           | 1                | .17        | 標  |
|           |            | 47       |          |          | 4                                      | _         | 1.       | L            | 1        | +        | 1                                      | 4        | -          | <u> </u> | 97            |            | ┼        | ╀╌       |  | ╀        | -                 | $\vdash$ | +-   | +            | ╁        | 1.          | $\vdash$ | 148      |              |  | 1  |     |          | -           | 1                | 13         | P  |
| 1         |            | 48       |          | 1:       | -                                      | F         | 1        | $\perp$      | +        | ┸-       | 1                                      |          | 4 .        |          | 98            |            | +-       | ╁        | +                                      | +        | +-                |          |  | +            | +        | 1           | -        | 149      |              | 127  | 1.   |     |          | 1           | T                | T          |    |
| :L        | 4          | 49       | 4        | 4.       |  | 1         | L        | 4-           | L        | +        | +                                      | ***      | 4%         | Έ.       | 10            | 4          | +        | ╀        | +                                      | 1        | +                 | +-       | +-   | ╁            | +        | 1:          | -        | 150      | -            |  |  |     | -        |             | $\mathbf{I}^{-}$ |            | Ŋ  |
| 3 L       | _1         | 50       | بال      | ۰.,      | ــــــــــــــــــــــــــــــــــــــ | 1         | 1        | _            | ┸-       |          | _ـــــــــــــــــــــــــــــــــــــ | ┸-       | J,         | L        | 110           | <u>ч</u>   |          | ٠.       | ــــــــــــــــــــــــــــــــــــــ | ٠.       | ,                 | <u> </u> | +  | ٠,-          | ٠        | 4           |          |          |              | _  | 1, 1)  |     |          | . 7         |                  |            |    |

If more than 150 claims or 10 actions staple additional sheet here

(LEET INSIDE)

